Lederberg

December 15, 1952

Dr. H. H. Plough
Dept. of Agriculture
Amherst College
Amherst, Mass.

Dear Dr. Plough:

I should appreciate receiving a reprint of your recent interesting paper with Berry and McCarthy in the PNAS, in which you extend the procedure of Zinder and Lederberg to include transduction of multiple factors.

Lederberg has suggested that one step toward resolving the difference between your findings and his, with respect to multiplicity of transduction, would be to have me verify the growth requirements of strains obtained in both laboratories. If this procedure is agreeable to you I would be only too happy to be of service. In addition, from the point of view of my own biochemical interests I should appreciate the opportunity to look at the parent strains in which a single mutation has given rise to a multiple requirement, and the progeny which retain only a portion of such a requirement.

I'd suggest that for our purposes it would be sufficient to have the two parent strains, those in which the triple requirement (arginine, methionine, aspartic acid) was split in various ways, and those requiring isoleucine and valine separately.

With best personal regards, and greetings for the holiday season,

Sincerely,

BDD/em

Bernard D. Davis